

Product datasheet for **KN221217**

DKK4 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 GFP-puro donor, 1 scramble control
Donor DNA:	GFP-puro
Symbol:	DKK4
Locus ID:	27121
Components:	<p>KN221217G1, DKK4 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TCCTGGACTTCAACAACATC</p> <p>KN221217G2, DKK4 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGAGCTCTGCTGACCTGCAT</p> <p>KN221217D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</p>

Homologous arm and GFP-puro sequences:

pUC vector backbone in gray; Left arm sequence in blue; GFP-puro in green; Right arm in violet

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TCATCCTTTC TTTGAGCACA ATTAGCTGTG AAAACAGATC TTAGGGCAGA CTCCTCCCT ACCCCCAAAG
GATTACTGAA GGTAGGAAAT GCAGGTGATT ATCAGAGTTT GCCTTTGATA CAGACATCCT GCTCTGCCGT
GGCCCTTTGA ACTAACTTTG ATATGCAATA ATTAAGAGGG ATTGAACCC TGGAGGAGAA GCCGCATGGC
CTGCCTCTT CTCTCCTTCT ATTGAGTCCT TGTTTTGAAC TATTGATCAA ACAGATTTGA AGGGATTGTG
TGAAGCCTGT GTGGGGCAGG AGGAAGGAAC GGAGCGGGGA GGAGGCACAT CTGGTTATAA ATAGTTTCAG
GAGGAACCTG CTGGTCAGAC TTTGCTCAGC CGATTTACAG CACCTTACTC AGACTAAGGT TTA CTCTTTT
CAGAAAAAGC AGTGACAAAC AGACGACGTG CTGAGCTGCC AGCTTAGTGG AAGCTCTGCT CTGGGTGGAG
AGCAGCCTCG CTTTGGTGAC GCACAGTCT GGGACCCTCC AGGAGCCCGG GGATTGAAGG GGGCCCGGAA
GGTAAGGCTG CTAGGGAGGG GGGCGAGGTA CGGGACTGCT GACAGCTGGG GTGTTTTGTT TAGGCTTTAG
TAAGTCATTC TGATTCATGT ATGAAATGTC TTACCTAGCA GGTAATTGA ATTGGTTTTG GATTTGGGAG
GGCATCCTGG TAGGATCAGT GGCCTTAGTG TGAATGTATG AAATAAACAC AGTGGCTTTT CACATCATT
GGCATACTG TGTCTATAA ATCACGAAAT AACGAACAC TTTGGAAGCT CTA CTACTATGTG CCAGCTCTTT
TACATGTAAT ACGTCATGTA CTCTTCTCA CAATTTGAGA TAGGTGAAAC ATTCCCTAAT TCCAGATGAG
GAAATAAGAC TCAGAGATGT TGAAGAGCTT ACCCAAGCTC ACACAGCCAG CAAGCAAACA TGGGAATGAG
AATTTAAACA GAGGGCCATG ATGCATTGCC TTGTCACCAT CTA ACTTACAG AGAGAGAGTT GTTTTAGGAA
TCGCTTTATG TATGTGTATA TGTTATTATA TATCGTATAG ATTATTACAT
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GE100003, scramble sequence in pCas-Guide vector



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Disclaimer: These products are manufactured and supplied by OriGene under license from ERS. The kit is designed based on the best knowledge of CRISPR technology. The system has been functionally validated for knocking-in the cassette downstream the native promoter. The efficiency of the knock-out varies due to the nature of the biology and the complexity of the experimental process.

RefSeq: [NM_014420](#)

UniProt ID: [Q9UBT3](#)

Synonyms: DKK-4

Summary: This gene encodes a protein that is a member of the dickkopf family. The secreted protein contains two cysteine rich regions and is involved in embryonic development through its interactions with the Wnt signaling pathway. Activity of this protein is modulated by binding to the Wnt co-receptor and the co-factor kremen 2. [provided by RefSeq, Jul 2008]

Product images:

